



Continuation of N^o 17.

Sat sail from Havre (395). observe the latit ude of Cape Bon Secur light-house (395). make the Isle of Wight, observe the latitude of the Start Point, make it 3 miles different from the Tables. (395) Get soundings on George's Bank (401). Observe the latitude of Thatcher's Island light $42^{\circ} 38' N.$ which agrees with the Latitude Journal N^o. page . arrive at Salem (401).

Observation of the latitude of Henega $20^{\circ} 55' N.$ very erroneously laid down in books & charts, remarks on this passage between Henega and Achling's Key (402). Observation on the latitude of Castle Islands (or South Key) $22^{\circ} 9' N.$ which is 11' different from that in the 5th edition of the Navigator (403). Observe the latitudes of Bird Island or North Key of Crooked Island $22.51 N.$ err in the Navigator 23'. (404) Latitude of the anchorage at crooked Island (404). Remarks on the anchorage at New Point Comfort, & its latitude observed $37^{\circ} 19' N.$ (405). Observed latitude of Wind mill Point $37^{\circ} 37' N.$ Latitude of Smithi Point (406). Remarks on entering Jacqueline, appearance of the land near it &c. (407).

Recommend the chart of the river Tagus published by Mount & Page in 1749, prefers it to some late charts; Latitude of Lisboe $38^{\circ} 42' N.$ (408). Latitude of Isle Diew (408) $46^{\circ} 42'.$ remarks on that Island & the shoals near it, Remarks on the Isle de Re which lies S.E. from Isle Diew. Soundings erroneously marked on the late charts (408) Remarks on the entrance of Havre de Grace, appearance of the land &c. (409). Various interesting notes in several parts of this journal.

N^o 18.

Joseph Phipps's journal in the Ship Hazard, Richard Gardner master, from Salem to Europe and India & back to Salem.

Set sail from Salem (412) get soundings on the coast of France & (413 N^o 1) Make the Casket lights, & Cape de Havre (414) Proceed from thence to Antwerp (415) Set sail from Antwerp, passed down the channel, take a departure from the Eddystone light (416) Make T. Fortaventura, Canaria (418). Is. Sal, Mayo, St Jago, come to anchor in Praya Bay (420). Set sail from Port Praya (420) Make Tristan de Cunha (424). Makes Cape Agulhas, & arrive at the Cape of Good Hope (428). - Set out from the Cape of Good Hope (430) make the land on the coast of Africa (430) arrive at Calcutta (440). Many magnetical observations taken in this passage.

Take a departure from Port Palmyras (442) meet a south westerly current off the Cape of Good Hope (450) Make westerly (452) various magnetical observations.

N^o. 19.

Thomas B. Osgood's journal in the Ship Bonetta, Benj^r Rafael master, from Salem to Mocha & back.

Set sail from Salem (464) make Trinidad (470). Estimate Trinidad to lie in 3° W. long. [Perouse made it in $28^{\circ} 32' W.$ having the best circles & chronometers to make his observations with, which result is confirmed by the observation in Journal N^o 3 Page 233 v. 1.] Make the Cape of Good Hope (474) Madagascar (476) remarks on the currents in this track. Make Moran begin & come to anchor there (478)

Note 10.

The land to the N.E. Havre de Grace is of a good heighth and high white, Steep Banks - & bold also - You may run the Shore down and hale in close to the lights which stand on the Bank at the North Entrance of the River - just so as you can see the heights above the Brow of the Hill, after you have pass'd them bring them to bear about North - and anchor in $4\frac{1}{2}$ fathoms water. If its low water (but 7 or 8 fathoms of high water) you are then in a good road stead with North Easterly winds - and good ground, You cannot go any higher without a Pilot. —

you must not give the lights too great a bath, lest you get on a Shoal which lay off from them.

when you get the lights in one you are to the Eastward of the Shoal. —

You ought to have a good hawse - for no vessel can go into the Basin without. —

(No. 18)

Journal

From *Salem* to *Europe & India*
 in the *Ship Hazard Rich'd Gardner* Master:
 kept by *Joseph Phippen* for the use of the
EAST INDIA MARINE SOCIETY.

At a Meeting of the *EAST INDIA MARINE SOCIETY*, at their Hall, on Wednesday evening, November 4, 1801, it was unanimously voted, That, in order to promote one great object of their institution, which was the acquiring of nautical knowledge, a Committee should be chosen to procure *BLANK JOURNALS* for the use of the Society; and that each Member bound to sea should be furnished with one of them, to be returned at the end of his voyage, with a regular diary of the winds, weather, and remarkable occurrences, during his voyage, arranged in such manner as the Committee should direct.

Conformable to the above vote, a Committee was chosen; who, having procured *JOURNALS* of the present form, request the Members to fill up the blanks according to the following

DIRECTIONS.

THE blank at the top is to be filled up with the names of the Master, and of the person keeping the Journal, the name of the ship, and the places nearest to the ship on the days given in that page. As for example: after passing the Cape de Verds, say, from the Cape de Verds towards the Cape of Good Hope.

In the 1st column of the Journal must be marked the day of the month; in the 2d, the course made good on that day; in the 3d, the distance sailed; in the 4th, the latitude at noon by account; in the 5th, the latitude by observation; in the 6th, the longitude by account; in the 7th, the longitude by observation reduced to noon by means of the log, or a time-keeper.

When the variation is observed, it is to be marked in the 10th column, the latitude and longitude in at the time of taking the observation being calculated from the observed latitude and longitude at noon by means of the log, and marked in the 8th and 9th columns. When the variation is observed both in the evening and morning of the same sea-day, the evening observation must be marked first; and it may be also noted whether the observation was by an azimuth or amplitude, by marking the former *az.* and the latter *am.*

The winds are to be marked in the 11th column, two or three times each day, placing them regularly beneath each other.

In the right hand column must be noted, the general state of the weather, winds, currents, bearings of capes, islands, &c. with their estimated distances, and any other remarks that may be useful to navigators.

When an opportunity offers to take any observations for determining the latitude or longitude of any remarkable place or point of land, it should be carefully attended to; and, for the satisfaction of those who may examine the Journals, it will be proper to give a detail of the observations. Thus, if the observation was taken for determining the latitude by the meridian altitude of the Sun, it would be proper to note the altitude of the Sun's lower limb, taken from the quadrant, his declination, and the bearing and distance of the place at the time of observation. Should the place not be in sight at the time of taking the meridian observation, it would be proper to note the course and distance made good by the ship, between the times of taking the meridian observation and observing the bearing of the land. A particular attention to observations of this kind will probably be the means of procuring a valuable collection of useful information. If the latitude or longitude observed should differ from any late books or charts, it would be proper to note it. In case any general remarks on the wind, weather, &c. experienced in the passages, should occur to the Journalist, he is requested to arrange them in the pages allotted for that purpose at the end of the Journal. A blank page is also assigned for an account of the coin, weights and measures of the several places touched at in the voyage; and it is hoped that care will be taken in acquiring information on these subjects. Any remarks on the commerce of the different places touched at in the voyage, with the imports, exports, and manner of transacting business, will be of public utility. Whatever is singular in the manners, customs, dress, ornaments, &c. of any people, is deserving of notice.

There should be collected, for the Museum, specimens of various kinds of vegetable substances, earths, minerals, ores, metals, volcanic substances, &c. There should also be preserved such parts of birds, insects, fish, &c. as serve most easily to distinguish them, and if no part can be preserved, a description of any that are remarkable may be given. Inquiry should be made for any remarkable books in use, among any of the eastern nations, with their subjects, dates and titles. Articles of the dress and ornaments of any nation, with the images and objects of religious devotion, should be procured.

Journal, in the Ship Hazard Rich?

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1802									
Aug th 12	East	125	N 42.40	N 42.42	W 67.45	—	—	—	—
13	E 10° S	56	42.30	42.31	W. 31	—	—	—	—
14	E 13° N	34	42.38	42.37	W. 50	—	—	—	—
15	S 55° E	73	41.56	41.52	W. 30	—	—	—	—
16	E 20° S	23	41.40	41.44	W. 33	41.33	64.12	8.17	az.
17	E 5° N	150	42.2	42.2	W. 22	—	42.1	63.8	am.
18	E 5° N	222	42.19	42.18	W. 17	—	—	—	—
19	E 9° N	226	42.49	—	W. 14	—	—	—	—
20	E 8° S	149	42.28	42.27	W. 52	—	—	—	—
21	S 54° E	50	42.3	42.10	W. 54	—	—	—	—
22	E 7° N	122	42.18	—	W. 3	—	—	—	—

Gardner Master, from Salem — towards Havre De Grace

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

S E	1 st part Gentle Gales & pleasant Weather, 10. Clock this morning, it being the
SSE	11 th day by civil acct. W ^o anchor came to Sea. in C: with the Belarius Capt. Kerr
SSE	3 P.M. the Belius carried away her T. T. ell. & bore away for Salem 4 P.M. Pidgeon Hill bore
SEbS	SWNW Dist 6 Leagues, 2 nd part fresh Breezes & foggy, 3 rd part Ditto. Ends fine Breezes
ESE	1 st part very foggy, with Rain 2 nd part Ditto. — 3 rd part blowing fresh
SE	with small showers of Rain. Ends Cloudy Weather, with fine Rain —
SEbS	
SSE	
SSE $\frac{1}{2}$ S	1 st part fresh Breezes, very thick & Rainy Weather, 2 nd part Ditto. —
South	7 P.M. sounded in 60 fath. Gravel & caught a fine Codfish. 3 rd part more
SWW	moderate, but very foggy. Ends more Clear —
WSW	
S W	1 st part Light Breezes & foggy. 2 nd part very foggy, 3 rd part more clear
west	Ends. with light air & remarkable pleasant —
WNW	
SSW	
South	1 st part, light airs & pleasant, 2 nd part D. and Cloudy, with many
NE	tide rips. 3 rd part light Breezes & pleasant, 7 a.m. heavy tide Rips. S
East	being almost Calm, try'd the current, it setting NEE 1/2 Hour, but judge it to
SEbE	have set in contrary direction from the 1 st to the 3 rd party. Ends pleasant —
SEbS	1 st Part, moderate Gales & pleasant, with a smooth Sea, 2 nd part D. D.
SE	3 rd part. D. D. Ends fine Breezes & remarkable Pleasant
Ditto	
South	
South	1 st Part Gentle Gales, something Cloudy. 2 nd part Fine Breezes & clear
SWW	
SWbS	
Ditto	Ends Ditto. Ditto. —
S. W	1 st part brisk Gales & pleasant Weather 2 nd part D. D.
"	3 rd part more moderate & hazy. Ends moderate, thick & cloudy W ^o
SWbW	
West	1 st part moderate Breezes & very foggy. 2. P.M. no soundings with 120
NE	fath. line, — 2 nd part very foggy, with small Rain, 3 rd part small Breezes
"	foggy, with fine Rain. Ends D. D.
ENE	
ENE	1 st part, Moderate & Cloudy, & caught a Porpoise & lost him, in getting
East	him on Board (as hazy says) 2 nd part light airs & hazy. 3 rd p. Ditto
Calm &	Ends, Calm & pleasant, with a small Breeze, times
ECE	
S W	1 st part Light airs & pleasant Weather 2 nd part moderate Breezes & cloudy
SSE	3 rd part D. D., 5 & 6 A.M. saw 6 sail, a head, on our W. Bow & on our Lee Bow
"	head & Eastw. 11 a.m. 3 of the ships, large ships, entirely out of sight, astern, shaped
"	All the Rest, 1 Frigate appears to sail very fast, but can do nothing with us.
"	

Journal, in the Ship Hazard R: Gar

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1802									
Aug.									
23	E ^o N	211	43.27	43.32	38.24	38.23	~	~	~
24 th	E ^o S N	144	44.4	44.6	35.4	~	~	~	~
25 th	E ^o 25N	231	45.41	45.40	30.6	~	~	~	~
26 th	E ^o 18N	250	46.58	46.58	24.24	~	~	~	~
27 th	E ^o 14N	250	47.58	47.58	18.24	~	~	~	~
28 th	E ^o 11N	220	48.40	48.40	12.58	~	~	N	W am
29 th	E ^o 10N	148	49.21	~	9.28	~	~	~	~
30 th	E ^o 2N	45	49.22	~	8.28	~	~	~	~
31 st	E ^o 10S	34	48.48	48.46	8.19	~	~	~	~
Sep. ¹	E ^o 22N	82	49.16	~	8.22	~	~	~	~
2	E ^o 13S N	125	49.44	49.45	3.18	~	~	~	~

dne Master, from Salem — towards Havre De Grace —

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
S. W. S. Ditto W. S. W. W. E. S.	1 st part fresh Breezes and flying Clouds, 2 nd " Gentle Breezes & smooth Sea, 3 rd part Ditto. Weather. 3 rd 9 th a.m spoke Capt Tetry in a Brig from Petersburgh out 60 days bound to Caribbea head gave him a Bbl of Bread & Water. Hence Ends pleasant —
W. E. S.	1 st part Moderate Gales & pleasant Weather 2 nd part Hazy, 3 rd part
S. W. — —	more Clear. Ends. Steady Breezes & pleasant. my Long ^g by acc ^t . agrees so near with a Lender Obs ^t . taken yester day of the O&C that I still continue the same, we determined the long ^g by 3 sets of Obs ^t . I believe it to be exact as maybe
S. S. W.	1 st part fine Breezes & pleasant Weather. 2 nd part Cloudy. with fine Rain 3 rd part Cloudy & hazy. Ends Gentle & steady Gales. Cloudy hazy Weather saw a great number of birds, —
S. W. — —	1 st part fresh Breezes and Cloudy. 2 nd part Ditto & hazy 3 rd part D ^o & more Clear. Ends. Ditto & more hazy —
S. W. — — —	1 st part Fresh Breezes and Cloudy. 2 nd & third part, Ditto Ends Fine fresh Breezes and very pleasant Weather —
S. W. S. S. W. S. E.	1 st part Fine Breezes and pleasant Weather. 2 nd part more moderate 3 rd & latter parts Moderate Breezes & pleasant Weather — wind = Variable
S. E. South S. E. S. E. S.	This 24 Hours begins, & ends, with moderate Breezes. Cloudy & hazy Weather. saw a number of birds of diff kinds. the weather appears like drawing on foundations. air much colder than has been, —
S. E. E. S. E. —	1 st part Moderate Breezes. thick & cloudy Weather. saw num- bers of Herring gulls. 2 nd part at midnight sun deck & 90 fath. fine grey sand with small black streaks. Ends Gentle Breezes & cloudy. see numbers of birds
E. S. E. S. E. Calm West.	1 st part light airs & very foggy saw several flocks of birds & 1 Gannet 4 P.M. sun decked, 95 fath. grey sand. with very small P ^t of shells. 2 nd part light airs inclining to Calm 3 rd & latter part; Calm with light airs & times
West S. S. E. S. E. South	1 st part light airs & cloudy. 1. P.M. spoke the ship Sally. Capt Webber from Liverpool bound to Charleston act 7 days 2 nd part D ^o . Weather 3 rd & latter parts Moderate. Cloudy. & hazy. spoke a Brig from Marquilles bound for Havre De Grace —
From S. E. — to — S. W.	1 st part Moderate Breezes & cloudy 2 nd part D ^o weather & spoke a ship from Havre bound to N. York 3 rd part foggy - c. 7. a.m. sun decked 56 fath. with Rotten stone & small P ^t of broken shells of diff kinds & colour —

Journal, in the Ship Hazard R.

Pardue Master, from

Salem —

towards Havre De Grace —

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Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

SEW	1 st part moderate & cloudy - 2 P.M. saw Land bear S. E. E.
WSW	2 nd part - D. - D. - 8.30 P.M. saw the Casket lights bearing S. E.
light & Variable	3 rd " " " 1. A.M. the lights bore S. S. W.
	End; moderate & pleasant c. 9. A.M. saw Capo Bayfleur Bear S. S. W.
Westerly	1 st part light Breezes & pleasant 1 P.M. saw Cape La Havre. B. S.
Variable	S.E. & S. 7. P.M. saw the lights & got a Pilot c. 9.30. anchored in 9 fath. in Havre De Grace Roads —
W. S. W. by ---	c. 9. A.M. left Havre Roads. Bound to Rotterdam 10. A.M. Cape de Heave Bone S. W. 6 Leagues End Squally with Rain
	Moderate & pleasant c. 7. P.M. saw Dungeness light - bear S. E. E. N. 9 P.M. saw S. Foreland light - Middle part lay off & on Dover c. 5. A.M. made sail. 6 S. Foreland lights. bore N. W. W. 4 Leagues
	c. 4. P.M. with light Squally. saw the Island of Jersey bear S. E. E. S. c. 6 P.M. got a pilot c. 8. P.M. anchored in Helvoetsluys. 6 fath.
	4. P.M. P. Civil Acct. got under weigh & made sail for Antwerp. but was detained by a Frigate that lay there. because Capt. G. R. did not go on B. & show his papers
	Civil Acct. c. 4. A.M. got under weigh & made sail. 2. P.M. saw the Buoys in the Durloo Channel. c. 5. got a Pilot. c. 8. came to Anchor in Flushing Roads. Wind. S. E. & pleasant
	c. 2. P.M. anchored abreast the City of Antwerp Moderate, Clear, & pleasant Weather
S. S. East- ally —	c. 8. A.M. got under weigh. Bound to India. 3. P.M. came to Anchor in Flushing. fresh Breezes from S. S. E.
E. N.	Sea Acct. c. 8. A.M. got under weigh. for India. Moderate Cloudy. 11. A.M. the Island Bone. S. E. 6 S. 4 Leagues (the Island of Walcheren) —
	Moderate Breezes & cloudy. 2. A.M. have too. 6. A.M. made all sail. 6.30. A.M. saw the N. Foreland lights. S. S. W. 7.30. saw the Goodwin Floating lights. c. 11.30. in the N. S. lights bone W. 1/2 S. Dist 3 Leagues

Journal, in the Ship Hazard. Pt^o

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Nov 30 th	—	—	North	North	West	—	—	—	—
Dec:									
1 st	S ^o 36 ^W	99'	48.48	48.49	5.35	—	—	—	—
2 nd	S ^o 83 ^W	114'	48.35	—	8.6	—	—	—	—
3 rd	W ^o 11 ^N	42'	48.48	48.50	8.59	—	—	—	—
4 th	S ^o 81 ^W	83'	48.37	48.34	10.50	—	—	—	—
5 th	S ^o 31 ^W	157'	46.19	46.19	12.39	—	—	—	—
6 th	S ^o 31 ^W	122'	44.35	44.32	14.10	—	Opt ^h Pars	West 13 ⁴⁶	am 25 ⁴⁶
7 th	S ^o 32 ^W	80'	43.25	43.24	15.11	—	—	—	—
8 th	S ^o 27 ^W	125	41.33	—	16.36	—	—	—	—
9 th	S ^o 14 ^W	223'	37.57	37.59	17.46	—	—	—	—
10 th	S ^o 11 ^W	225	34.14	34.16	17.50	—	—	—	—

Gardner Master, from *Antwerp* towards *S. Jago* —

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
N.E.	1 st part Moderate & pleasant
" N.E.	2 nd " " " Cloudy
E.N.E.	3 rd Fine Gales & Cloudy
E.N.E.	1 st part fine Breezes & cloudy - 1. P.M. took in main sail
E.b.C.W.	3.30. P.M. saw the Eddystone Lights. Course bear S. W. W.
" N.E.	4. P.M. it bore N.N.W. Dist 3 Leagues. Wind. Moderate -
W.C.W.	1 st part Moderate Breezes & pleasant Weather
S.W.W.	2 nd " Cloudy with Squalls of Rain
W.S.W.	3 rd " Cloudy with hard Squalls
" "	4 th More Moderate & Cloudy
W.S.W.	1 st part - Moderate with Rain
West	2 nd " Squally " " and Calm -
N.W.	3 rd " " " but more clear & less Rain -
S.W.	4 th " " " Light Breezes & pleasant
S.W.	1 st part Moderate & Squally with Rain
" "	2 nd " Fresh Breezes & Squally - " "
S.E.	3 rd " light airs
" "	4 th Moderate looking Squally -
East	1 st part moderate & pleasant
N.E.	2 nd " " " with light squalls of Rain
N.N.E.	3 rd " " " Light Breezes & pleasant
" "	4 th " " " Light Breezes & pleasant
N.E.	1 st part light Breezes & pleasant Weather
E.N.E.	2 nd " " Moderate & Squally
S.E.b.E.	3 rd " " " Main Squally of Rain - times
Variable	4 th " " " Light Airs & pleasant
East	1 st part Moderate with light squalls of Rain
E.N.E.	2 nd " " " more pleasant
N.N.E.	3 rd " " " Light Airs & pleasant
Variable	4 th " " " Light Airs & pleasant
N.E.	1 st part light Airs & very pleasant - 1 P.M. Mr. Burriel our
E.S.E.	2 nd Officers went in the Stern Boat. on board a ship that was lost about 4' She was from Cherbourg (France) bound to Martinico
N.N.E.	3 rd " " " flying Clouds -
S.E.b.E.	4 th " " " fresh Gales & squally
N.Y.E.	1 st part Moderate & Squally
E.S.E.	2 nd " " " flying Clouds -
" "	3 rd " " " fresh Gales & squally
E.N.E.	4 th " " " fresh Gales & squally
E.b.C.W.	1 st part Moderate & Squally times
N.E.b.E.	2 nd " " " " " "
"	3 rd " " " " " "
" "	4 th " " " " " "

Journal, in the Ship Hazard Richd.

Date. 1802	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Dec th 11	S 22° E	130	N ^o	N ^o	West	West	N ^o	West	West
			32.16	32.12	16.53	~	~	~	~
th 12	S 55° W	44	31.28	31.26	16.58	~	~	~	~
th 13	S 41° E	28	31.35	31.3	16.36	~	~	~	~
th 14	South	39	30.24	30.23	16.36	~	~	~	~
th 15	S 19° E	57	29.29	29.30	16.14	14.1	~	~	~
th 16	S 2° E	73	28.17	28.18	16.11	13.58	~	~	~
th 17	S 28° W	83	26.29	26.28	16.38	~	~	~	~
th 18	S 46° W	177	24.25	~	18.58	~	~	~	~
th 19	S 54° W	148	22.50	22.48	20.1	~	~	~	~
th 20	S 16° W	128	20.45	20.43	21.39	~	~	~	~
st 21	S 4° W	171	17.53	17.55	21.52	~	18.25	21.45	15.39 am

Cardno Master, from

Antwerp - towards St. Jago's

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
Eb N	1 st part Moderate, with small squalls, saw a Turtle -
E N E	2 ^o " " " and Rain lay the crew S. f.
S E E	3 ^o " " " - 6.30 a.m. made sail - aback being very thick & cloudy
E S	4 ^o " " " -
S E E	1 st part Moderate & squally with Rain -
Calm	2 ^o " " D. D. -
S E E	3 ^o " " & very squally -
4 ^o " " "	-
S S E	1 st part Moderate & cloudy, passed a Brig. standing to SSW Westward
S E	2 ^o " " Ditto, with vivid lightning from N. S. S. W. West, and North
from S. E	3. 4 th Moderate & pleasant, with Wind Variable & Calm times
H. E. S. S.	4 th -
S S E	1 st part Light Airs, saw a Ship stand to SSW Westward
S E. Calm	2 ^o " something Squally, with Rain. & Calm times
Light Variable	3 & 4 ^o - light airs & variable -
S E b S	1 st to 4 th light airs & pleasant, saw Bonitas, Albacore & Dolphins -
East	2 ^o " Moderate & pleasant
E S E	3 ^o " -
S E	4 ^o " - 9.34. 16. Obs'd the Dist. between O & C
E S E	1 st Part - light breezes & pleasant
S E	2 ^o " " Saw the Island of Fortaventura, 2. A.M. B. from E. S. E. to S. S. about 7 Leagues, 8. A.M. the West End bore S. W. S. 1/2 S. East Pt. E. b. N. 1/2 W.
Calm & Variable	3 ^o " " about 7 Leagues, 8. A.M. the West End bore S. W. S. 1/2 S. East Pt. E. b. N. 1/2 W.
S E	4 th part light Airs & pleasant at 4. P.M. the West End of
W. W.	Fortaventura, bore (S. S. E.) 5 saw the Island of Canaria, N. W.
S E	6 P.M. the West of Fortaventura E. S. E. 6 Leagues (to the South of
S E b E	Canaria. West. 7 Leagues, being in Lat 27. 42 N. Long 15. 54 West.
E 1/2 N	1 st Moderate & Pleasant, believe a current setting (S. Easterly)
E b N	2 ^o " " & pleasant
East	3 ^o " " fine gales & Cloudy
E b S	4 th part fine gales & Cloudy
E S E	1 st part. Hazy & Moderate showers. & Cloudy
South	2 ^o " " " " found a musket ball intact & he went off.
East	3 ^o " " " " a large whale came along side & stary'd till 9.30. playing round the ship
E 1/2 E	4 th 7.30 - a large whale came along side & stary'd till 9.30. playing round the ship
N E	1 st part. Moderate & Cloudy
2 ^o " " D. and looks Squally	
3 ^o " " " " D. and more pleasant. 2 sail in sight stand S. 10°	
W E b N	4 th " " " " D. and more pleasant. 2 sail in sight stand S. 10°
W N E	1 st part Moderate & very pleasant
W b E	2 ^o " " great appearances of a current
" "	3 ^o " " Ditto judge a current setting S. Easterly -
W E b N	4 th " " Ditto judge a current setting S. Easterly -

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Journal, in the Ship Harvard. P.

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1802									
Dec. 22			North	North	West				
23									
27 th	S ^o E 145°	12.37'	12.35'	22.41'	—	—	—	—	—
28 th	S ^o E 208°	9.19'	9.18'	21.39'	—	—	—	—	—
29 th	S ^o E 162°	6.39'	6.40'	21.11'	—	—	—	—	—
30 th	S ^o E 80°	5.20'	5.22'	21.8'	—	—	—	—	—
31 st	S ^o W 16°	5.7'	5.10'	21.14'	—	—	—	—	—
1803									
Jan st	S ^o W 54°	4.31'	—	21.51'	—	—	—	—	—
2	S ^o E 28°	4.4'	4.6'	21.46'	—	—	—	—	—
3 rd	S ^o E 50°	3.16'	3.17'	21.43'	—	4m 2	21.44'	11.17W	AM
4 th	S ^o W 40°	2.41'	—	22.00'	—	—	—	—	—

Gardna Master, from Antwerp towards St. Jago's -

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
NNE NEE ENE	1 st Part fine Breezes & pleasant Weather. 2 nd part D° but more moderate, 3 rd part Cloudy. 3. a.m. hove too c. 5.30 bore away & made all sail 6. a.m. saw the Island of Sall bearing West. 3 or 4 leagues off saw the Island of Bonavista bearing S. E. 8°
W. E. - " " " " "	Fine Gales & Cloudy 2. P.M. saw the Isle of May. S. W. W 6 or 7 Leagues 3.30 P.M. saw St Jago's West. 7. P.M. hove too c. 8° made sail. 3. a.m. wore round to N. S.E. 5 bore away c. 8 stretched into the Isle of May c. 11.30 a.m. anchored in Praya Bay -
N. E. " " " "	1 st Part Moderate Breezes & pleasant c. 8. P.M. got under weigh in C. with the Ship Governor Strong of Boston, Capt Moreland, who is bound through the straights of Lunda - & Port Praya bore NW 5 miles, going under easy sail. 6. a.m. find the Govt. Strong to be under the same sail c. 10. a.m. the sat. S. G. Sails
NEE " " ESE	Gentle Gales & Gay - 3. P.M. lay with all Sails. S. S. S. aback, for the Govt. Strong to come up, c. 4 filled away c. 5 set S. G. Sails - 8 in Mastsail 5. a.m. the ship 8 or 10 miles astern ends moderate breezes & pleasant. find that we leave the ship much faster since the wind shifted
ESE ESE ESE ESE	1 st part Moderate Breezes and pleasant Weather can but just discern the Govt. Strong astern - very warm. 2 nd part Moderate & little Wind 3 rd 4 th D. D. D. D.
ESE ESE ESE ESE	1 st part Gentle Gales & pleasant Weather (4 P.M.) caught 2 Bonetas 2 nd " looks Squally - took in small Sails - 3 rd " light airs. with Calm. Cloudy & 4 th " Moderate & looks Squally. a long swell from N. S. E.
From S. E. W. to S. E. East.. & N. E. very variable	1 st Light airs & Variable. with small Squalls of Rain - 2 nd Ditto . . . Ditto. & Calm at times - 3 rd 4 th D. . . . D. . . . with Rain -
S. E. S. S. E. S. E. N. N. E.	1 st . . . light airs looks Squally & every point of the compass c. 5.30 P.M. spoke a Brig. bound to Africa. the Capt judged he was in 17.30 West Long 3 rd 4 th parts. looks very Squally Thunder, Distance of vivid lightning from the North.
W. E. Calm North - West - S. W.	1 st light Ais. & Calm times. with very heavy Rain. 1 P.M. Thunder 2 nd Moderate. with steady fine Rain 3 rd " Ditto . . . or more clear - 4 th " Ditto . . .
Variable from S. W. to N. E.	1 st . . . light Ais. & Variable & something Cloudy - 2 nd Squally. with heavy Rain 3 rd . . . More Moderate Ends pleasant -
Variable from N. S. E. to East -	1 st Moderate & pleasant Weather 2 nd Squally. and heavy Rains. took in small Sails - 3 rd light Ais. with Rain 4 th Ditto . . .

Journal, in the Ship Hazard. R. Gar

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1803 1 st	S35W	101	N°	C.º	West	-	-	-	-
Jan 25 6 th	S39W	107	1.19	1.21	22.57	—	—	—	—
7 th	S39W	107	0.2 S.º	0.0	24.4	—	—	—	—
8 th	S30W	123	South	South	—	—	—	—	—
9 th	S22W	162	1.46	1.44	25.5	—	—	—	—
10 th	S26W	156	4.14	4.13	26.6	—	—	—	—
11 th	S26W	156	6.33	6.32	27.14	—	445	26.27	54
12 th	S32W	170	8.56	8.54	28.45	—	8.24	28.28	3.35
13 th	S10W	172	11.43	11.41	29.17	—	9.26	28.58	3.23
14 th	S2E	190	14.51	14.50	29.11	—	—	—	—
15 th	S9W	179	17.47	17.46	29.40	—	15.34	29.11	1.57W
16 th	S12W	167	20.30	20.31	30.17	33.7	19.33	33.0	1.2W
17 th	S18E	130	22.34	22.30	32.24	—	—	—	—

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dner Master, from *S. Jago's* towards *Cape of Good Hope*

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
S. E.	1 st part. light Breezes, and much Rain, 5. P.M. in F. & M. S. G. Sails
S E b S	2 ^o " " Gentle Gales, flying Clouds, & appearances of a current
S S. E	3 ^o " " Moderate & pleasant
- Ditto -	4 th " " "
S. S. E	1 st Gentle Breezes & pleasant Weather, 5. P.M. saw a sail to N. W. of us standing to N. Northw.
" "	2. 3 ^o , 4 th Moderate & pleasant Weather
S E b S	1 st " Moderate Breezes and pleasant Weather —
S E b S	2 ^o " " " —
S E	3 & 4 th " " —
S. E	1 st " Gentle Gales with flying Clouds, a short tumbling Sea from the S. S. B. 2 ^o part D. D. 10. A.M. carried away one of the F. T. M. back stays in F. & M. S. G. Sails. Ends Gentle
S E b S	Gales & Hazy. Employ'd in setting up Backstays
S E b S	1 st Gentle Gales, land & flying Clouds —
S E b E	2 ^o " Squally, with heavy Rains —
S. E	3 ^o " Less Squally & Hazy and —
" "	4 th " fine Gales, flying Cloudy. very pleasant Weather
S E b S	1 st Gentle Gales with flying Clouds —
S E	2 ^o Ditto Ditto —
" "	3 ^o Ditto and very pleasant
" "	4 th Ditto —
S E	This 24 Hours begins and ends with Moderate Breezes and
S E b E	pleasant Weather, people employ'd in Altering & mending Sails etc
E S E	—
E S E	This 24 Hours, Gentle Gales & pleasant Weather —
E b S	11. 30 A.M. saw a Ship Bearg East, steering to the NNE —
E S E	—
E b S	1 st part Moderate Breezes & Cloudy —
E S E	2 ^o " small squalls & fine Rain —
E S E	3 ^o " Gentle Breezes & pleasant saw a man of War bird
E b E	4 th " —
{	This 24 Hours, Gentle, Breezes and pleasant Weather. 8. A.M. saw a number of birds, the Observed Observation of Longitude was taken by O. C. 3 sets & worked by Dunthorpe & Mitchell's methods. Likewise by Margott's Tables, & alter the Longitude materially in the Azimuths taken above
from S E b E to East, E V E and N E	1 st part Flattering Breezes & looking Squally
" "	2 ^o " Moderate and pleasant Weather 11. A.M. lower'd down stern boat and the Copper on Ships bottom looks in very bad Order being off in many places & in large pieces End almost calm

Journal, in the Ship Hazard. R. Gar

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1803									
Jan ^y 16 th	S ^o 24° E	90'	South	South	West	West	S ^o 16°	West	66° 86° 108° 116°
17 th	S.E.	111'	25. 9'	25. 9'	30. 20'	-	24. 00	31. 40	1. 8 W
18 th	S ^o 34° E	140'	27. 5'	27. 3'	28. 53'	27. 25'	-	-	24° 11° 14° 11°
19 th	S ^o 47° E	130'	28. 34'	-	25. 37'	-	-	-	38° 36° 34° 32°
20 th	S.E.	119'	29. 57'	29. 58'	24. 2'	-	-	-	24° 22° 20° 18°
21 st	S ^o 31° E	135'	31. 53'	31. 51'	22. 41'	-	-	-	21° 19° 17° 15°
22 ^o	S ^o 52° E	164'	33. 32'	-	20. 7.'	-	-	-	20° 18° 16° 14°
23 ^o	S ^o 49° E	180'	35. 30'	35. 28'	17. 23'	-	-	-	27° 25° 23° 21°
24 th	S ^o 64° E	130'	36. 25'	36. 27'	14. 58'	-	36. 35	15. 33	12° 10° 8° 6°
25 th	N ^o 48° E	94 -	35. 24'	35. 26'	13. 33'	-	-	-	38° 36° 34° 32°
26 th	N ^o 52° E	79 -	34. 37'	34. 37'	12. 17'	-	-	-	36° 34° 32° 30°

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dinner Master, from St. Jago's — towards the Cape of Good Hope

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
ESE — ENE — NESE —	This 24 Hours begins light Airs, smooth Sea, and pleasant Weather 7 A.M. saw a Whirlwind, 3 Boobies & one Albatross — Ends light airs inclining to Calm, and expiring warm —
NENE — NW	This 24 Hours, moderate Breezes and pleasant Weather, saw a number of birds —
NW — NWNW — NW — — "	1 st part Moderate Gales and pleasant Weather — 2 ^o " — moderate and cloudy looking Squally — 3 ^o " 4.30 A.M. saw a Brig. with Spanish Colours Steering ENE Ends fine Gales & small Squally —
NE — NW — NESE — North	1 st " Fine Gales and Cloudy looking Squally — 2 ^o " very moderate, Wind variable & heavy Rain — Ends Squally with Rain —
from East to West & North to S.E.	This 24 Hours, Variable winds, with Squally & much Rain with heavy Thunder & vivid lightning and confused Sea —
NW — NW — NESE —	1 st " Moderate Breezes and looking Squally 2 ^o " " with small Squalls 3 ^o " Squally with much Rain — Ends Gentle Gales & Pleasant —
NESE — NW — "	1 st Fine Breezes & very pleasant Weather — 2 ^o " Squally " with Rain — Ends cloudy —
NWE — North — — "	1 st part Gentle Gales and Cloudy Weather 7 P.M. the wind hauled West, in a Squall, 9 P.M. to the North, Ends fine Gales & cloudy, with Rain at times
North — NW — West to SE	1 st Fine Gales with flying Clouds & small Squally 2 ^o " Squally with fine Rain (see 4 Albatrosses) — 3 & 4. Wind variable from N. to S. & S.E. Moderate & Cloudy —
SESE — SE — SESE —	This 24 Hours Moderate Breezes and pleasant Weather, all hands employ'd in untending M. & Miz. T. Sails, F. Sail, M. T. G. ^t Sail & Spankers & bending old ones. 6.30 P.M. saw Tristan D. Cunha —
S.E. — — — SSEE —	This 24 Hours Moderate Breezes & Cloudy, with fine Rain at times, a smooth Sea, & all hands Employ'd in mending Sails between Dicks, &c &c

= bearing SW by S $\frac{1}{2}$ S Distant about 20 Leagues —

Journal, in the Ship Harvard. R. Gard.

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1803.									
Jan. 4.			South	South	West	-	West	-	
28 th	S ^o 48° E	159	35..18	35..17	9..24	6..45	~	~	~
28	S ^o 78° E	200	35..58	35..57	2..46	-	~	~	~
29 th	S ^o 85° E	180	36..12	36..12	0..55	~	~	~	~
30 th	S ^o 85° E	105	36..21	36..20	3..4	~	~	~	~
31 st	S ^o 74° E	187	37..11	37..9	6..45	~	~	~	~
Feby.									
1	S ^o 88° E	150	37..14	37..15	10..3	~	~	~	~
2	N ^o 56° E	148	35..56	35..55	12..31	~	~	~	~
3	S ^o 51° N	97	37..32	~	12..20	~	~	~	~
4 th	S ^o 30° E	47	38..12	38..12	12..49	~	~	~	~
5 th	N ^o 65° E	76	37..40	37..39	14..15	~	~	~	~
6 th	N ^o 73° E	90	37..13	37..9	16..3	~	~	~	~

nw - Master, from St Iago's - - - towards the Cape of Good Hope

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
South S by W SW --"	This 24 Hours Commences with Moderate Breezes & Pleasant Weather 1 P.M by 3 sets of Obs. made the Long. in 9° 34' West Ends fine Gales and pleasant Weather - - -
S SW SW W SW --"	1 st part fine Breezes and something Cloudy - 2 nd " moderate and pleasant 3 rd " Squally with Rain - - - Ends Fine Gales & Cloudy
W S W S W Variable	1 st Cloudy Weather & stiff Gales 2 nd " Ditto - - - with Rain at times 3 rd 4 th Fresh Gales and Squally - - -
South S by W SW S	1 st Moderate Breezes and Cloudy. Shot 2 albatrosses & got one of them 2 nd " Ditto Winds & Weather - - - Ends Moderate Gales & very pleasant - - -
S W --" S S W	1 st Gentle Gales and Cloudy Weather 2 nd " " and foggy - - - 3 rd 4 th Moderate Breezes and foggy
S S W South S E	1. 2 nd & 3 rd parts. Moderate Breezes and foggy - - - Ends Moderate and Cloudy. see great many of very large Black fish
S S E S E by S S E --"	1 st Moderate Breezes and Cold 2 nd Fresh Breezes and Cloudy 3 rd 4 th Fresh Gales. with considerable of a Sea
S S E 1/2 E S E by S S E S E by S	1. 2 nd & 3 rd parts. Fresh Gales and Cloudy Weather. Close Ruffed the Topsails Ends more Moderate 1 Reef out each S. Sail - - -
S S E S E by S S S E --"	1 st Gentle & steady Breezes & something Cloudy - - - 2 nd " Moderate with Rain & 8. Tack? Ship to $\frac{1}{2}$ East? 2 3 rd 4 th Moderate & Pleasant Weather 8. Tack? Ship to $\frac{1}{2}$ S. 11 ^o - - -
South S E S S E S E by S	1 st Moderate Breezes and pleasant Weather 2 nd light airs and very foggy. saw 2 albatrosses & number of Bonettas 3 rd " " saw 2 albatrosses & number of Bonettas Ends cloudy with thin fog. lower'd down stern boat, found no current - - -
S S E South S E S S E	1 st light airs & foggy Weather 2 nd 3 rd Moderate Breeze & very foggy 4 th " Smooth Sea & very pleasant. saw a number of albatrosses. 2 albacores. 2 sharks & smaller fish - Caught none

Journal, in the Ship Hazard. R.

Gardner Master, from St. Jago's . . . towards the Cape of Good Hope

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
S.EbS SE SS.E SE½ S.	This 24 Hours. Moderate Breezes. smooth Sea. and pleasant Weather. see a number of Albatrosses & one Whale
SEbE EE Calm S.W.	1 st part. Moderate Breezes and Cloudy Weather - 2 nd Calm with fine Rain - 3 rd a Fine Breeze with small Squalls. appearances of a Current
SW SS.W "	This 24 Hours, fine Gales, & pleasant Weather. see a number of birds but not one Cape Pidgeon as yet, passed through much Coloured water like as Molasses. judge it to proceed from the Whale - allow a Current N. Westly 24° the worse disagreeing very much
South SE S.E SEbE	Moderate Gales and pleasant Weather all this 24 hours. 8. P.M. Tack? Ship to ye S.W. - employ & fitting a new pair of Kings for Main Yard
Variable Calm N.W.E	Begins light Airs from the S.E. and Variable 2 & 3 Points. from Midnight to 8. a.m. Calm - Obs ^r the water to look Coloured. hove too & sounded, no bottom with 100 fath. of line - lost lead & line of 98 fath
North NW West SW	This 24 Hours Gentle Gales, with small squalls throughout the Night, 8.20 a.m. by an Indifferent Lunar Obs ^r to make the Long. 23.56 E. being cloudy & an unfavourable time think it not accurate
SS.W SE SE	This 24 Hours. Gentle Gales and pleasant c 8 & 9. a.m. determining the Longitude 23.26 E. taking the mean of 9 sets which agreeing very well & worked by diff ^r . meth ^r . conclude it sufficiently exact as the Dead reckoning disagrees very much. Allow a NW current 1 mile per hour
East SE "	This 24 Hours. Moderate and pleasant Weather - Midnight hove too & sounded, but no ground with 116 fath. saw several gannets & Meridian sounded 79 fath. Sand & Oars & broken shells very fine - Allow nothing for Current th ^r 24 hours as the lat ^r agrees
S.W South SS.W	8. P.M. sounded 50 fath. sand - Midnight 65 fath. Care 4. a.m. 75 fath. yellow sand with rotten stones - 4.30 saw Cape Agulhas for Aquillas, N.N.E 7 leagues. Gannets 2000 N.W. I have worked this day up to 4.30. a.m. taking in the Bear & Dic ^r of the Cape which remains as lat & long. of Cape by D. Rec ^r for Dec ^r
South Var. old F.C	4 P.M. C. G. Hope bore S.EbS. 6 P.M. hauled off S. W. 2. a.m. stood in for the land. Meridian came to Anchor in Table Bay. blowing very hard from S. E. the ship Franklin Moses Townsend Master. from Bengal for Salem is laying here having got dismasted off the Cape G. Hope, to sail in 20 days
Land and Coastlines S.E & N.W	11. a.m. went on shore. - Capt Gardner, not enjoying good health has concluded to tarry here & take passage to America, constituting in his room Henry Tibbets as Master, &c

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Journal, in the Ship Hazard. H. Tibbetts

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1803									
Feb ^r 21	S ^o 63 ^W	37'	South	—° —'	East	—° —'	—	—	—
			34.12	34.16	17.54	—	—	—	—
22	S ^o 43 ^E	125	35.47	35.45	19.38	—	—	—	—
23	South	83	37.9	37.9	19.38	—	—	—	—
th 24	S ^o 25 ^E	161	39.35	39.36	21.4	—	37.40	20.3	26.34 West
th 25	S ^o 63 ^E	71	40.8	40.7	22.26	—	—	—	—
th 26	N ^o 82 ^E	72	39.57	39.57	24. —	—	—	—	—
th 27	N ^o 79 ^E	142	39.29	39.28	27.4	—	—	—	—
th 28	N ^o 83 ^E	200	39.4	39.3	31.19	—	39.1	27.30	26.39 West
Mar ^r 1	N ^o 86	196	38.50	38.50	35.30	38.4	—	—	—
2	N ^o 80 ^E	215	38.42	38.43	40.7	42.32	—	—	—
3	N ^o 88 ^E	204	38.34	38.35	46.55	—	—	—	—

— Master, from the C.G. Hope towards Bengal —

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
S W West W SW	This 24 Hours Gentle Breezes & pleasant Weather. 5. P.M. got under weigh & at the same time the Ship Swift Cap ^t Bear anchored from N. York bound to Bengal. to sail in 48 Hours. 7. P.M. Table Hill SSW 14 hours, 10. a.m. saw Land SESE.
WbS S S W South	1 st part. begins fresh Breezes & Squally. 2 nd " " " and Cloudy. with a disagreeable tumbling sea. End. moderate & pleasant, follow 12' N. Westerly current.
S. S. E. S. E. E. S. E. SSE	This 24 Hours moderate Breezes & pleasant Weather with a long swell from the S. W.
EbS " " " East E 1/2 S.	This 24 Hours Moderate Breezes & pleasant Weather, wind variable throughout the night, keeping a good look out for Telemaque Shoal.
East EbN "	1 st part fine Gales and pleasant Weather 2 nd " " " Breezes & Cloudy 3 rd " " " Stiff Gales & Squally, End. fresh Breezes & Cloudy. with a disagreeable tumbling sea.
E NE N E b N West W SW	Commences with Moderate Breezes & Cloudy with a long swell from the Westw ² . Middle part Moderate & Cloudy saw numbers of birds such as Albatrosses, Petrel &c &c. I expect we have a N.E. Current. End. as above (wind & weather).
S. W. WbS S. W. S. E.	1 st part. Moderate breezes and pleasant Weather, 2 nd pt. Squally with vivid lightning. 3 rd part. Moderate & Cloudy. caught 7. albatrosses with hook & line one measured 11 feet 4 inches from tip to tip of the wings. End. moderate & pleasant. I expect a Current sets us N. Easterly.
East North N. W.	1 st part Moderate Breezes and pleasant Weather. 2 nd & 3 rd parts. Squally times with showers of Rain. a large sea follows us. End. Cloudy & looking Squally after, still expect we have N.E. curr.
NebW N N W Vibb Vibb	Commences with fine Gales flying Clouds. & considerable of a sea from N. W. - Squalls & Rain throughout the night. End. fine Gales looking Squally, I find by very good lunar Obs ^{rs} that we have been in a N. Easterly Current. as expected for some days past by work of Traverse Table.
V IV. V VbW W N W W N W	1 st part. fresh Breezes & looks Squally & 4 th P.M. pleasant & 4. 5 th 30 th the Long ² by a good lunar Obs ^{rs} was 38° 49' 6" agreeing by 4 methods within 2' of each other & within 9' of Yesterday's. I conclude it a good observation. End. fine Breezes & large sea for which I have allowed 15'.
W V W " " " West	This 24 Hours Gentle Gales & pleasant Weather. I work my longitude from Yesterday's Lunar Observation. considerable of a sea this 24 Hours for which I allow 10' (our glass rather short & line full long)

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Journal, in the Ship Hazard, H. T.

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1803									
March									
4	N 86° E	129	38. 26	38. 25	49. 39	—	—	—	—
5 th	N 89° E	104	38. 21	38. 23	53. 33	—	—	—	—
6 th	N 87° E	140	38. 15	—	56. 31	—	—	—	—
7 th	N 88° E	190	38. 9	—	60. 32	—	—	—	—
8 th	N 83° E	149	37. 51	37. 48	63. 40	—	—	—	—
9 th	N 72° E	162	36. 58	36. 59	66. 53	—	—	—	—
10 th	N 82° E	71	36. 49	36. 49	68. 21	—	—	—	—
11 th	N 68° E	72	36. 22	36. 21	69. 45	—	—	—	—
12 th	N 62° E	41	36. 2	36. —	70. 30	—	—	—	—
13 th	N 53° E	53	35. 28	35. 20	71. 23	—	35. 55	70. 46	19. 6 Wst
14 th	N 47° E	88	34. 28	34. 27. 30	72. 41	73. 49	35. 17	72. 45	18. 25 Wst

bets Master, from the Cape of G^o Hope towards Bengal -

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
West - S.W. - E.S.E. - N.E. -	1 st part Moderate Breezes and pleasant Weather 2 ^o " " Cloudy with small squalls, wind hauling Easterly 3 ^o " " light airs & variable. Ends fine Gales & pleasant -
N.N.E. N.W. - S.W. -	1 st part Gentle Gales and cloudy weather 2 ^o & 3 ^o " fresh Breezes with fine Rain ... Ends Moderate & Cloudy -
Calm - N.E. - N.N.E. North -	1 st " Calm, thick cloudy W ^E with fine Rain, now & then a Cat's paw 2 ^o & 3 ^o Gentle Breezes & fine Rain Ends fine Breeze. looks Squally & rains cheerfully
North - N.N.E. " -	This day begins & ends with fine Breezes attended with fog, & much Rain.
W.W.W. West. S.W. W.S.W.	1 st part light airs & Rainy. Calm at times 2 ^o " " Gentle Breezes with small squalls & fine Rain 3 ^o & 4 ^o " " Ditto ... & pleasant with a confused Sea -
W.S. W.S.W. S.W.	1 st " Gentle Breezes & Squally - - - 2 ^o " more Moderate - appearance of a current - 3 ^o & 4 ^o " Moderate Breezes & pleasant Weather - - -
S.S.W. S.W. S.E. N.N.E.	This day begins with light airs & pleasant Weather. Calm in the Night, appearance of a current which I expect has been setting us to N.E. - Ends as began -
N.N.W. N.W. N.N.E. " -	This day commences with light airs & cloudy saw 2 large whales Midnight as above Ends with light airs. Smooth Sea (remarkably) clear & pleas ^t .
N.N.E. " - " - " -	This day begins with light airs & pleasant Weather with a little swell from W ^E - Calm throughout the Night - Ends Small Breezes and unsteady -
N.N.E. N.W. W.W.W. W.S.	This day begins and ends with light airs. remarkably mild & pleasant Weather. but would be more pleasing if we could make more progress towards our Intended Haven. large swell from West
W.S. S.W. N.W.	This day, light Breezes and pleasant Weather c 8..38..16 took 13 sets of Distances of 0 ^o E & determined the Long ^o 73..34 by Bowditch, Mitchell, Gunthorpe, & Mazetts Rules, the greatest in the 4 methods being only 2 1/2 miles = Difference

Journal, in the Ship Hazard. 86.

Date. 1803	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
March 15 th	N 29° E	100'	South	" "	East	-	-	-	-
			33..2	33..1	74..47	-	-	-	-
16 th	N 33° E	88'	31..48	31..51	75..44	-	-	-	-
17 th	N 33° E	172'	29..27	29..27	77..34	78..38	-	-	-
18 th	N 34° E	120'	27..48	27..48	79..54	80..30	-	-	-
19 th	N 23° E	145'	25..34	25..35	81..34	-	27..23	80..45	8..19 West
20 th	N 26° E	183'	22..51	22..52	83..2	82..55	-	-	-
21 st	N 26° E	193'	19..59	19..59	84..27	-	-	-	-
22 nd	N 28° E	194'	17..8	17..8	86..3	-	19..35	84..45	4..38 North
23 rd	N 14° E	140	14..52	14..52	86..38	-	-	-	-
24 th	N 4° E	76	13..36	13..35	86..43	-	-	-	-
25 th	N 9° E	112	11..45	11..44	87..1	-	-	-	-

Tibbets Master, from the C. G. Hope towards Calcutta -

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

N W
west
N W
WWS

This day Gentle Breezes, something Cloudy, and small Squalls now & then -

WWS
N W
West
"

This day Moderate Breezes; and pleasant Weather with a very long and large swell from 45° N S W -

N SW
S. W.
South
S. E.

This day Gentle Breezes and pleasant Weather
at 9. 43. 42. A.M had a very good observation from O & C and
judge the long^o more correct than last Lunar as the Dist^o then was very great

S. E.
ESE
WSW

This day Gentle Gales, and pleasant Weather
at 10. 3. 44. got a Lunar Observation O & C -

SWSW
West
WSW
SW

This day Moderate Breezes and Cloudy saw numbers of very large flying fish - - - -

South
"
SSE

This day Gentle Gales with small Squalls & fine Rain at times
at 6. 14. 56. P.M got a very good lunar observation & corrected
the time by Altitudes at 4 P.M. Deduct^o for Easting -

S. E.
ESE
"

This day begins Gentle Gales and pleasant Weather
something Squally throughout the Night
Ends as began -

ESE
-
SE

This day commences with fine Gales and pleasant Weather
- Squally with Rain throughout the Night
Ends fresh Breezes with a tumbling sea -

S. E.
ESE
East

This day begins & continues throughout with fresh Breezes,
continual Squalls with heavy Rains -

Variable
from N.E.
to ESE S

This day begins Sqally, with heavy Rain, & light Breezes
& so continues until 11. a.m. Ends more Clear -

Variable
from ESE S
to NEB N

This day begins with Gentle Breezes & Cloudy - & so
continues till 11. a.m when it died away Calm
with Rain -

Journal, in the Ship Hazard. H.

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1803									
March 26	N 28° E	66'	South 10. 46	10. 47	87. 33	---	11. 4	87. 25	0. 36
27	N 14° E	102'	9. 8	9. 7	87. 59	---	-	-	-
28	N 30° E	133'	7. 12	7. 11	89. 6	---	-	-	-
29	N 43° E	107'	5. 53	---	90. 20	---	-	-	-
30	S 9° W	85'	4. 29	---	90. 7	---	-	-	-
31	S 10° W	53'	3. 37	---	89. 58	---	-	-	-
April 1	S 11° W	75'	2. 23	2. 26	89. 44	---	-	-	-
2	S 16° W	123'	0. 27	0. 28	89. 10	---	-	-	-
3	S 19° W	107'	1. 18	1. 21	88. 54	---	-	-	-
4	S 23° W	90'	2. 44	2. 42	88. 19	---	-	-	-
5	S 18° E	20'	3. 1	3. 2	88. 25	---	-	-	-

Tibbets Master, from C. G. Hope towards Calcutta

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
Calm - S E E. E E E. S E.	Commences with a Calm, a Moderate Breeze throughout the Night with hard Showers, of Rain — Ends Moderate Gales and pleasant Weather —
S. E. Calm - W S W. West -	Begins with Moderate Gales and pleasant a Midnight Calm. Ends fine Gales looking Squally
W S W N W - N W W N E.	This 24 Hours. Moderate Breezes, and Squally Weather with Rain
N E W N W W S W	This 24 Hours Moderate Breezes. Variable Winds Equally with heavy Rains. killed a tropick bird, he fell in the stem boat. Skinned & stuffed him
N W W W N E. W N W	This 24 Hours Commence, Moderate Breezes & Cloudy — Midnight more clear Ends with small Squalls of Rain
from W E N W to N E C N	This Day Commences with Moderate Breezes & looking Squally. wind Variable — Ends as above —
N W W N E. W S W	This day begins moderate Breezes Cloudy with Rain Midnight more pleasant Ends moderate & pleasant
W E N W S W W N E	This day Moderate & pleasant Weather, throughout caught 2 albacores & 2 sharks, see a number of Boobys & Noddy's, the ships Bottom we can see, is in a shocking condition
W E S S S W from W. to N.	This day Moderate & pleasant, but excessive warm, we see the copper from Ships bottom go astern, and in a Squall considerable of a piece blew into the stem boat, I certainly think that we have a Current setting N. & Easterly. today & yesterday the Diff. of Lat. was much more than the Dist.
West - S W - " " E N E	This ^{2d} day Gentle breezes and pleasant Weather. Fallow 12' N. E. current. caught 5 Bonettas with the Hook
Calm - N E Calm - S W -	This day, Calm, most of the time, extreme warm, and makes the Saws to drop between decks from the seams lower'd the boat & found a current setting E N E 1 mile per hour

Journal, in the Ship Hazard - H.

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia
1803									
April 6 th	N 32° W	29'	N. 3..27	N. 3..28	East 88..10	—	3..15	88..18	286
7 th	N 23° W	25'	3..51	3..50	88..1	—	—	—	—
8 th	N 23° W	24'	4..12	4..10	87..52	—	—	—	—
9 th	N 9° W	55'	5..4	—	87..44	—	—	—	—
10 th	N 16° W	49'	5..51	5..52	87..31	—	—	—	—
11 th	N 22° W	148.	8..9	8..9	86..35	—	—	—	—
12 th	N 17° W	150	10..32	10..34	85..51	—	—	—	—
13 th	N 9° W	125	12..37	12..37	85..31	85..27	11..14	85..40	228
14 th	North	47	13..24	13..24	85..27	85..41	—	—	—
15 th	N 18° W	60	14..19	14..18	85..22	85..54	—	—	—
16 th	N 20° W	112	16..3	16..3	85..15	85..10	14..31	85..10	5 miles West

Tibbets Master, from C. G. Hope - towards Calcutta

Winds.

Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

W S W.
N E.
S E W.
S W.

This day begins with light airs & hazy, with constant Thunder
at a Distance, at 5.30 P.M. came up very black & Squally, with terrible
Thunder & extreme vivid lightning from the N.E. grand Rains —

very Variable
from N W
to South —
using a Calm

This day light airs & very Variable, saw a large water bout
at 5. P.M. Squally, with abundance of Rain, Thunder &
lightning — Ends Calm — caught 2 Bonettas, saw a Ship ahead

very Variable,
with Calms,

This day, we have Calms at times, at night Squally with
Rain, the Ship that we saw yesterday is disappeared. She was
steering about N. W. by N. when we saw her last evening —

S S W.
W N W.
N W.
N E.

This day begins with light Breezes & pleasant
hear very heavy Thunder at a Distance, Constant Thunder &
vivid lightning throughout the Night. Ends Squally with Rain

N E
N E
Calm
N E

This day begins with hard Squally & heavy Rains,
Midnight Calm — Ends Gentle Gales & pleasant, caught 6
Bonettas with hook & line (this morning we found one sow to have 6 fine
pigs, & one of our cats to have 5 kittens)

N E
N E E E
E N E
"

This day begins with Moderate Breezes and pleasant, from
4 P.M to Midnight Squally, with heavy thunder & extreme
vivid lightning, passed through several tide rips. Ends Mod. & hazy

E N E
—
—

Begins moderate & pleasant, little hazy, Midnight small squally
with Thunder & lightning. Ends pleasant, Sallow a current to
set us N. W. 1 mile & hour. Sallow it westerly ^{as} to the course.
Winds of late, being Easterly

E N E
S E
East
S. E.
S. S. E.

Begins with Gentle Breezes and pleasant Weather
and so continues to end — current N. W 1 mile & hour

S E
East
S. E.
S. S. E.

Begins with light airs & pleasant from 9 P.M to 3 A.M going
 $\frac{1}{2}$ knot & hour. Ends light airs & pleasant, Sallow a current
N & E. 12' this 24 hours. —

W S W
Calm
S. W.
West

This 24 hours light airs and pleasant, at 9.10.40 True time A.M
the Dist. of O.S.C. was 88.31.37 — Oalt 48.9 ... Calt 41.34.2
Index Error add 1.15 ^{12 add} _{20 deduct}
having alter'd the shape of the Tortant, it is now very accurate, more so than before

S S W
W S W
S W
West

This day Gentle Gales & pleasant. 9.6.30" true time A.M. the mean
of 3 sets of distances O.S.C. 75.40.50 — Oalt 47.9 ^{12 add} Calt 28
Index Error ... 1.15 add ^{15.14} _{20 deduct}
gives the Long^o 85.14.30 by Witchell, Gunthorpe, & Langells methods

Journal, in the Ship Hazard. H.

Tibbets Master, from C. G. Hope towards Calcutta

Winds. Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

S W	This day Gentle Gales and pleasant, hazy, see birds & fish and the water is colour'd, & if our Lunar Calculations are Correct we must strike soundings soon on the Coast of Orissa, off Ganges, which lies in $19^{\circ} 25' N$ and Long $^{\circ} 85^{\circ} 7'$ East by Astronomical Observations.
S S W	
South	
E S W	This day Gentle Breezes. Cloudy & Hazy c 8.0. M sounded in 35 fathoms. Mud. Shorten'd sail & bore away c N.E. soundings from 30 to 22 fathoms 9. a.m saw Land bearg from N. to N.W about 11 League
S S E	
S S W	
S W	This day fresh Breezes & Hazy. soundings 21. 14 & 10 fathoms. 7. a.m 7 fath. on the Western Reef 11. a.m saw 5 sail to leward, bore away & noon spoke the Ship Manhattan 6 weeks from Calcutta for Batavia. Blowing very fresh. She bore away for Tanguar
S W	This day Stiff Gales & hazy. heavy Thunder & continual Lightning throughout the Night. 1.0. M spoke an English Ship & Pilot Schooner. could not get a Pilot. told us to follow them. They also informed us that there was no other Pilot Vessel out, but before we came to Tanguar. we saw a Pilot vessel sat anchor about 1 mile out from the Roads, our Consort Schooner told us we could get a Pilot there. 5 P.M spoke her. & the Master said we must anchor, we came too under his stern & the Master came on board
	it then blew very fresh & there was a disagreeable sea, we began getting underway immediately, hove in about 30 fathoms. the windlass then split, & renderd every Pall useless, then wear'd away and secur'd for the Morning by Running & Tackles, when after making another trial, it blowing a fresh & fair breeze, concluded it would be more prudent, & more for the safety of the Interests
	of the concerned, to loose the Anchor & cable, rather than tarry in expectation of getting them, therefore. 6. a.m cut the Cable in the Hause, expecting to get pretty near to Calcutta by Night
	This day, noon ends the 20 th Sex Accts etc but is still the 20 th by Civil Accts which c 4 P.M we anchor'd about 12 miles below Calcutta, in drawing up River the wind decreas'd, & at time fallin
	c 10. a.m the Ship arrived at Calcutta

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Journal, in the Ship Hazard, &c.

Date. 1803	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Vari
July 8 th			North		East				
9 th	S 18° E	34'	20.12	20.9	86.59				
10 th	S 7° W	08'	19.2	18.59	86.51				
11 th	S 26°	79'	17.48	—	87.27				
12 th	N 74° W	39'	17.59	17.59	86.48				
13 th	S 83° W	33'	17.55	17.56	86.14				
14 th	S 42° E	90'	16.49	16.52	87.17				
15 th	S 47° E	128'	15.26	15.28	88.54				
16 th	S 14° E	55'	14.35	14.33	89.8				
17 th	S 61° W	52'	13.41	13.43	89.2				
18 th	S 4° E	57'	12.46	12.47	89.5				

Tobits Master, from Calcutta - towards Salem

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
Variable in the S.E. quarter	C 4. a.m. dropped off of the Western Reef, 13 fathoms, Meridian Judge Point Palmyras to bear S. W. about 12 Leagues, from whence I take my Departure, it being in 20° 44' N 87° 10' East -
S. E. S. E. SWbS	Commences with gentle Gales & pleasant in 13 to 17 fathoms Midnight 20 to 24 fathoms Ends moderate & cloudy with fine Rain & Finesse
SSW SSE ESE	This day Moderate Breezes & cloudy, with a large swell from the SSW 10. a.m. set S. S. E. Steer S. E.
East N.E. N.N.W. S.W.	This day is attended with Variable Winds in Moderate Gales, Cloudy Weather, with fine Rain and a long rolling swell from the S.S.W. Ends, Rain down S. G. yards
SSW SW	This day, fresh Breezes & cloudy P. P.M. wore Ship to Westward
SWbS SW	This day, Gentle Breezes with small Squalls, fine Rain and large Swell from SSW -
SW	Commences with moderate Gales and Cloudy c 2. P.M.
S.S.W.	Squally, with Rain, Tacked Ship to the S.S.E.
SWbS	Ends, moderate & pleasant, caught 3 Bonettas with hook & line
SSW	Commences with moderate Gales and pleasant Weather
SW	7. a.m. saw a Ship under our Lee, standing to N ^o Westw ^o , 8. 30 being in our Wake about miles She tacked Ship after us c noon she was entirely out of sight
SWbS SSW SW	This day, Moderate Breezes and cloudy 4. a.m. Tacked Ship to N ^o Southward
SWbS SWbW	This day, Moderate breezes and cloudy, see number of birds, 6. P.M. Tacked Ship to the Westw ^o 2. a.m. Tacked to Southw ^o Ends, Heavy with a short head beat Sea
SWbW SW SWbS	This day, Moderate Breezes & cloudy c 6 P.M. in M. T. G. Sail & Tacked Ship to N ^o Westw ^o 4. a.m. Tacked to N ^o Southw ^o

Journal, in the Ship Hazard. H.

Date. 1803	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
July 19 th	S ^o E 95'		North 11.34	11.33	East 89.20	-	-	-	-
20 th	S ^o E 144		9.15	9.16	90.3	-	-	-	-
21 st	S ^o E 87'		8..13	8..12	90.23	-	-	-	-
22 ^d	S ^o E 99'		8..45	8..45	91.9	-	-	-	-
23 ^o	S ^o E 103		5..15	5..15	91.59	-	-	-	-
24 th	South 32'		4..43	4..42	91.59	-	-	-	-
25 th	S ^o E 80'		3..45	3..46	92.16	-	-	-	-
26 th	S ^o E 73'		2..36	2..38	92.36	92.13	-	-	-
27 th	S ^o E 65'		1..39	1..41	92.43	92.40	-	-	-
28 th	S ^o E 30'		1..17	1..15	92.05	-	-	-	-
29 th	S ^o N 86'		South 0..11	South 0..10	North 93.04	-	North 0..10	93.4	3.18 E

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Tickets Master, from Calcutta -- towards Salem (Miss)

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
S.W. S.W. - SW. W.	Calmness with Moderate Breezes and Cloudy 6. P.M Tacked to 45° N. W. in all Topsail sail. Squally with fine Rain 8 took 2 Reefs in the Topsail. Midnight Tacked to 45° Southward
W.S.W.	This day Fresh Breezes and Squally, got down Fly M. T. G. mast
SW. W. W.S.W.	This day Fresh Breezes, with some very hard Squally, hard Rains, and a disagreeable Sea. Midnight took the 3 rd Reef in all Topsail & handed Main Sail Ends as begun
W.S.W.	This day begins with Fresh Gales & Cloudy Weather 4. P.M Reefed the Main Sail, — throughout the Night very severe Squally & much Rain Ends Squally with fine Rain at times
S. W. S.W. W.	This day Squally at times with Rain, 8. A.M out all Reefs — see very many birds — — — —
S. W.	This day light Breezes & Cloudy, with small Squally attended with Rain — — — —
S. W.	This day Moderate Breezes, and pleasant Weather, saw a sail to the Eastward, tacking to 45° Northward — — —
S. W.	This day moderate Breezes and pleasant Weather. 2. 22. 56 P.M true time the Obs ^d Distance of D ^c was 73. 51. 50. ... Oalt. 51. 24. ... Oalt. U.L. 54.27 making the Long ^d same time 91. 55 E. being the mean of 3 pds of Obs ^d . y. mean Long ^d of 3 methods <small>Index Error Deduct 2. 15 add 12 decr 20</small>
S.W. S.	This day light air and pleasant Weather, inclining to a Calm 2. 50. 48 P.M true time. the Obs ^d Distance of D ^c was 95. 0. 10 the Oalt 44. 44. ... Oalt. U.L. 50. 0 the Long ^d deduced from the above is 92. 23. 45 being the mean of 4 Methods wherein the greatest difference was 2. 10 the above Obs ^d is the mean of 3 pds
S. S. W. S.W.	This day light air, and Calm at times, with a breeze from the Southwest — — — —
West W.S.W.	This day Moderate and Pleasant, saw a large snake with Gold Coloured head — — — —

Journal, in the Ship Harvard Henry

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia
1803									
July 30 th	S 14° W	133'	South	- - -	East	- - -			
31 st	S 18° E	49'	3. 4	3. 0	92. 45	- - -			
Aug 1 st	S 68° W	71'	3. 34	3. 33	91. 36	- - -			
2 ^d	S 31° E	58'	4. 22	4. 23	92. 5	- - -			
3 ^e	S 14° W	10'	4. 32	4. 32	92. 1	- - -			
4 ^f	S 53° W	120'	5. 44	5. 42	90. 25	- - -			
5 ^g	S 46° W	180'	7. 47	7. 49	88. 15	- - -	8. 15	89. 50	4. 20
6 ^h	S 54° W	160'	9. 23	9. 24	86. 4	- - -			
7 ⁱ	S 56° W	227'	11. 31	11. 32	82. 52	- - -			
8 ^j	S 62° W	230'	13. 28	13. 24	79. 17	- - -			
9 ^k	S 64° W	203'	14. 53	14. 55	76. 4	- - -			

Tibbets Master, from Calcutta towards Salem

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
S. S. E S. E S. S. E	This day Moderate Wind and pleasant Weather P.M 1 st 29 took a very good Lunar Observation
S. Ebs S. E - ESE -	This day Moderate Wind and pleasant Weather c 2 nd 5 P.M took a good lunar Observation the Sea appears to be cover'd with a jelly substance (Portuguese Men of War)
ESE S. E.	This day Moderate Wind & pleasant Weather saw a Booby & many Blackfish
S. E S. Ebs	This day Moderate Wind, and pleasant Weather, but extreme Warm
S. Ebs — —	This day Moderate Wind & pleasant, but very warm All hands employ'd laying up Rigging, which is somewhat tedious
S. Ebs — S. E	This day Moderate Wind & extreme Warm, — D is 14 days Old
S. Ebs S. S. E S. Ebs	This day Moderate Wind & extreme Warm, particularly in laying up Rigging, unshaded, —
S. Ebs E. S. E. S. E	Commences Moderate Wind & pleasant. 9. P.M. Squally with Rain from the E.N.E for 1 hour, Midnight Squally from E.S.E with small Rain — Ends Moderate & pleasant —
S. Ebs S. Ebs S. S. E	Commences Moderate Wind and pleasant Weather. 9. P.M Squally with Rain from E.N.E for 2 hours nearly, but little Wind — Midnight light Squally from S.Eb.S — Ends Moderate & pleasant —
South - SW to S. E NNW to NE	This day light airs & cloudy. Wind very Variable, hoisted out the Jolly Boat & tried the current found 1/4 knot setting S. S. E. hoisted the boat up at the stern, by Traverse Table there dont appear any current
Calm from S. to East Calm -	This day Calm's, with very Variable Wind, at times — small Rain, D ^o Squally & cloudy throughout —

Journal, in the Ship Hazard, Henry

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1803									
Aug. 10 th	Geo W	170	South 15.53	15.54	East 73.14	71.13			
11 th	556 W	196	17.44	17.45	08.54				
12 th	248 W	181	19.46	.....	66.33	.....	.....	.....	.....
13 th	557 W	170	21.18	21.20	64.3	64.4	20.4	66.8	6.30
14 th	558 W	180	22.55	22.55	61.18	.....	.....	.....	.....
15 th	556 W	221	24.59	25.0	57.58	.....	.....	.....	.....
16 th	561 W	182	26.28	26.31	55.0	.....	25.59	55.39	14.54
17 th	565 W	163	27.40	.....	52.14	.....	26.44	54.29	16.34
18 th	549 W	116	28.55	28.57	50.34	.....	.....	.....	.....
19 th	544 W	77	28.5	28.5	49.29	.....	.....	.....	.....
20 th	West	132	28.5	28.7	46.50	.....	.....	.....	.....

Pibbets Master, from Calcutta towards Salem

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
S. W. South S. E.	This day. Brisk Breezes, with Squalls & fine Rain 3. a. m saw a French Frigate at a short distance under our Lee Ends with a disagreeable Sea, we beat the Frenchman, more than could expect
S. E. S. S. E. S. E.	This day Gentle Gales with small Squalls, Cloudy, with fine Rain at times —
S. E. S. E. S. E.	This day. Brisk Breezes at times, with fine Rain
S. E. S. E. E. S. E.	This day. Moderate Wind & Pleasant Weather, got a very good Observation from Obs. to Determine the Longitude, taking the mean of 5 flets
E. S. E. S. E. E. S. E.	Commences with moderate Wind & pleasant Weather at midnight Squally weather with fine Rain Ends moderate Wind & pleasant Weather —
S. E. E. S. E.	Commences with Moderate Wind, with small Squalls, times Middle & Latter parts, clear & pleasant Weather
E. S. E.	This day, Moderate Wind & remarkable Pleasant
East E. S. E. N. N. E.	This day Moderate Wind & pleasant Weather 3. a. m Gybed Ship - at Noon, the clouds come from ye S. W.
N. E. S. W. North W. N. W.	This day Commences with cloudy & very Squally Weather from 7.30 to 9 P.M., dreadful Thunder & extreme vivid Lightning Wind very Variable — Ends with hard Gale & cloudy —
W. S. S. W. S. W. S. W. W. S. W.	This day. Brisk Wind & Squally Weather, with Rain, saw 3 albatrosses & a number of Cape Pidgeons
S. W. W. S. W. S. South	This day Moderate Wind, with flying Clouds, the D. R. I. disagreeing much from Obs. I correct by a S. W current 20' as the Glass & line is in order

Journal, in the Ship Hazard. Henry

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1803									
Aug st 21	S 82° W	105	South 28° 30'	28° 29'	East 43° 27'	-	-	-	-
22	S 81° W	146	28° 50'	28° 52'	40° 42'	-	-	-	-
23	S 85° W	137	29° 4'	29° 5'	38° 6'	38° 1'	28.55	40.5	az. 24.33 am. 24.18
24	S 73° W	150	29° 49'	29° 51'	35.20	35.15	-	-	-
25	S 66° W	182	31° 4'	31° 4'	32.3	-	30° 7	34.45	az. 27.31 Nxt
26	S 64° W	194	32° 29'	32.33	28.30	-	-	-	-
27	S 24° W	62	32° 30'	33.30	33.32	-	-	-	-
28	S 20° W	72	34.39	34.39	27.39	-	-	-	-
29	S 41° W	21	34.55	-	27.22	-	-	-	-
30	S 18° W	32	34.50	34.47	26.33	-	-	-	-
31	S 76° W	117	35.14	35.15	23.15	-	-	-	-

Tibbets Master, from *Calcutta* . . . towards *Salem*

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
South - S.E. E.S.E.	This day Moderate Wind & Cloudy, with small Squally & fine Rain at times. Fallow 24' S.W Current as the D.R. disagrees & the Glass & line is correct.
E. S. E.	This day, Moderate Wind, & very pleasant Weather. Fallow 24' S.W. as Current as the D.R. disagrees much, from Obs ^{ns}
South - S.S.E. S.E.	This day Moderate Wind, & remarkable pleasant Weather. C. 25.54 determined the Long. by Obs C 40.30 $\frac{1}{2}$ Fallow S.W. 12' for current
S. E. " - E.S.E.	This day Moderate Wind, and very pleasant Weather, C 2.0 ⁺ determined the Long. by Obs C 37.47 carried forward to Noon is 35° 15'. Fallow S.W. 24' for current & by Lunar Obs ^{ns} it proves that we have been set to the Westward since the Lunar of 15 th
East E.N.E. N.E.	This day is attended, with Gentle Gales, flying Clouds & a little fine Rain at times - - - - -
N.E.E.	This day. Brist Wind, & Heavy Weather Ends moderate Wind & colour'd is the Water And a tumbling Sea, comes from every Quarter
W.S.W. West W.N. W.S.	Commences with moderate Wind & Heavy c 4. P.M. saw the Land bearing from N.W to N.N.E 5. P.M. Tacked Ship to W. S.S.W. Midnight vivid lightning in the West & looks very Squally. Current S.W. 40' Ends moderate & Variable Wind
W.N.W. N.W.W. N.W. North	Commences moderate Wind & Cloudy & looks Squally. 8. P.M. very heavy Thunder & extreme vivid lightning from W. North Ends moderate Wind & Cloudy caught 1 albatross
W.N.W. W.S.W. Balm. S.W.	Commences moderate Wind & Cloudy c midnight Calm - 4. a.m hard Gales & Squally c 6 hove too under Reefed F. Sail c 10 set Reefed Mizzen Stay Sail, carried away the lee Davit & Damaged the Boat, got the boat on Deck
S.W. S.W.B.S. S.W.	Commences hard Gales & Squally, dying too under Reefed F. Sail & D. Miz. Stay Sail 1. P.M set Close Reefed Main S. Sail c 11 set Close Reefed F. S. Sail Midnight moderate Wind & Cloudy. 8. a.m all hands Employed getting up S.C. masts 4 yds. out Jib Boom & Spritsail yard, up Miz T.S. & Cross Jack
S.W. Calm. E.N.E. N.E.	This day Moderate & pleasant Weather caught 3 albatrosses Current S.W. 18'

1803

Journal, in the Ship Hazard H.,

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1803									
Sept. 1	S 84° W	142	South 35. 29	.....	East 20. 23	.....	.....	.....	.....
2	N 66° W	70	35. 0	.....	19. 5	.....	.....	.....	.....
3	N 60° W	140	33. 50	.....	16. 38	.....	.....	.....	.....
4	E 40° N	180	31. 31	31. 3	13. 53	.....	.....	.....	.....
5	N 45° W	133	29. 29	29. 28	12. 6	.....	.....	.....	.....
6	N 42° W	90	28. 21	28. 19	10. 56	.....	.....	.....	.....
7	N 43° W	55	27. 39	.....	10. 14	.....	.....	.....	.....
8	N 37° W	85	26. 31	.....	9. 17	.....	.....	.....	.....
9	N 62° W	104	25. 42	25. 44	7. 37	5. 26	7. 33	.....	.....
10	N 14° W	66	24. 40	.....	6. 8	.....	7. 33	6. 23	22. 25
11	N 59° W	53	24. 13	24. 12	5. 18	.....	.....	.....	.....

Tibbets Master, from Calcutta towards Salem

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
East	This day Moderate Wind, Hazy Weather, 8. A.M. have too, and sounded 95 fathoms Mud. -
West W.N.W.	This day Moderate Wind & Hazy Weather 2.30 P.M. saw Land from NNE to NESE, 3 P.M. Tacked Ship to S.E. Ends British Wind & Squally -
N.W.W. N.N.W. West W.S.W.	This day Moderate Wind & Hazy Weather 2.30 P.M. saw Land from NNE to NESE, 3 P.M. Tacked Ship to S.E. Ends British Wind & Squally -
S.W.W. S.W. -	Gale & Squally, with steady Rain 4.30 P.M. in Fly M. T. Sails 7. P.M. Ripped the F. Sail hard Gales and Squally. - Midnight a very severe Gale. 5. A.M. ripped a Tee & tore in apart of the Bulwarks & split the hanks shear. -
S.W.W. W.S.W. W.S.W. S.W.	British Wind & dirty Weather Midnight more moderate, set more Sails. Since last Obs ^{tn} the Lat. differs very much & to day I allow or. W 40° only correct 2. A.M. got up all S.G. & Mast. & began to make all Sails. the longitude
W.S.W. W.S.W. S.W.	This day, Moderate Wind and Pleasant Weather (except a few light squalls of Rain) Current N.W. 18 miles -
W.S.W. S.S.W. S.S.E. S.E.	This day, Moderate Wind and very Variable, from this beginning to End, a gale from S.E. W.S.W. -
Wto S.E. Calm West to S.W.	First part, begins Moderate Wind & very Variable, cloudy & Hazy Middle part light airs & calm at times Latter part, light airs & very Variable, cloudy, & a gale from S.E. West to S.W. -
Variable from N.W. to West, and S.W.	This day, light airs & very Variable, attended with 2 small Squalls of Wind, caught 3 Cape Pigeons with hook & line, there being a number following us, & one albatross
S.E. S East - Variable S.W.	This day begins with a fine Breeze and pleasant Weather Ends with light airs & Variable from S.E. N.W. quarter. Curr. 17° N.W. - got a good Lunar Obs ^{tn} for the Long ^o . Taking the mean of 5 sets
N.W. S.W. W.N.W. W.S.W.	This day, Light airs and Cloudy, a gale from S.E. S.W. -
West W.S.W. S.W. Calm	This day light airs and Cloudy, and Calm at times, and a long gale from the S.W. - - - - -

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Journal, in the Ship Hazard, &c.

Date. 1803	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
Sept. 12 th	N34W	47	South 23.34	23.33	East 4.49	.....	...	...	...
13 th	N55W	145	22.10	22.9	2.39	.....	...	...	...
14 th	N66W	168	21.1	.....	West 0.5	.....	...	...	...
15 th	N58W	104	19.35	19.38	2.34	.....	...	...	...
16 th	N55W	147	18.14	18.17	2.41	.....	...	...	...
17 th	N52W	152	18.44	18.46	2.47	.....	...	...	...
18 th	N58W	157	15.24	15.25	9.5	.....	...	...	...
19 th	N62W	167	14.7	14.9	11.38	.....	...	...	...
20 th	N55W	145	12.46	12.47	13.41	-	...	...	...
21 st	N49W	150	11.9	11.7	15.38	.....	...	...	...
22 nd	N47W	154	9.22	9.21	17.33	20.20	...	...	...

Tibbets Master, from Calcutta towards Salem - - -

Winds. Weather, Currents, Bearings of the Land, and Remarkable Occurrences.

S. E.	Begins with a light air from ye S. E. and from 7 P.M to 3. a.m.
Calm	Calm — Ends moderate Wind & Variable from ye N & W. with a long swell from ye S. W. Current 12 miles N. W.
N. W. W. & N. N. & W. S. W. S. E.	This day, Gentle Breezes and Cloudy, Wind varying regularly from N. W. to S. E with a good Breeze, when it arrived to that point, & think it may continue — — —
S. E. S. E. & S. S. E.	This day, Gentle Breezes and something cloudy
S. E. E. S. E. S. S. E.	This day, Moderate Wind and Cloudy —
S. E. E. S. E. E. G. E. S. E.	Begins with Moderate & Pleasant Weather Midnight very Cloudy — Ends Moderate & less Cloudy —
E. S. S. E. S. E. S. E. S.	Begins with Moderate Wind & Pleasant Weather Midnight Cloudy & hazy — Ends Moderate & hazy —
S. E. E. S. E. S. S. E.	This day, Moderate Wind, and cloudy weather. I expect we have a S. W. Current, by work of traverse Table
S. E. — —	Commences with, Moderate Wind and pleasant Weather Midnight cloudy, by Work of D.R. we must have considerable of a S. W. current, say S. West because there is no probability of it being East
S. E. S. E. E. East S. E. S. S. E.	Begins with Moderate Wind and pleasant Weather Midnight thick & very Cloudy — Jaw'd man of War birds
— —	This day moderate Wind and pleasant Weather, few uncommon large Boobies, very many flying fish, the sea appears to cover'd with a jelly substance, commonly called Portuguese men of War.
S. E. — S. S. E.	This day, Moderate Wind and Hazy Weather, 1° 38'. 0" P. Time the mean of 5 fathoms of Obs. tns. of C. made the Long. same time 18° 31' 1/2 N

Journal, in the Ship Hazard, Henry

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia.
1803									
Sep ^t .									
23	N 44° W	136	South 7° 43'	7° 42'	West 21° 56'	21° 38'	9° 3'	20° 13'	az. 12.48 N
24	N 48° W	139	6° 9'	6° 11'	23° 22'	23° 33'	7° 24'	22° 11'	az. 11.24 N
25	N 42° W	150	4° 19'	4° 19'	25° 14'	.....	.....	.....	.....
26	N 40° W	144	2° 29'	2° 29'	26° 47'	.....	.....	.....	.....
27	N 34° W	156	0° 20'	0° 21'	28° 14'	.....	.....	.....	.....
th									
28	N 60° W	178	1° 8'	1° 6'	30° 46'	.....	.....	.....	.....
29	N 39° W	157	3° 8'	3° 10'	32° 25'	.....	.....	.....	.....
th									
30	N 38° W	132	4° 54'	4° 55'	33° 46'	.....	3° 28'	32° 40'	az. 5.42 West
Oct ^r .									
1	N 41° W	114	6° 21'	6° 18'	35° 1'	.....	.....	.....	.....
2	N 36° W	74	7° 18'	7° 19'	35° 45'	.....	.....	.....	.....
3	N 17° W	33	7° 51'	.....	35° 55'	.....	.....	.....	.....

Tibbetz Master, from Calcutta towards Salem

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
S. S. E S. E S. S. E	This day Moderate Wind and pleasant Weather P.M 1 st . 29 took a very good Lunar Observation
S. Ebs S. E - ESE -	This day Moderate Wind and pleasant Weather c 2 nd . 5 P.M took a good Lunar Observation the sea appears to be cover'd with a jelly substance (Portuguese Men of War)
ESE S. E.	This day Moderate Wind & pleasant Weather saw a Booby & many Blackfish
S. E S. Ebs	This day Moderate Wind, and pleasant Weather, but extreme Warm
S. Ebs — —	This day Moderate Wind & pleasant, but very warm All hands employ'd laying up Rigging, which is somewhat tedious
S. Ebs — —	This day Moderate Wind & extreme Warm, — This is 14 days Old
S. Ebs S. S. E S. Ebs	This day Moderate Wind & extreme Warm, particularly in laying up Rigging, unshaded, —
S. Ebs E. S. E. S. E.	Commences Moderate Wind & pleasant, 9. P.M. Squally with Rain from the E. N. E. for 1 hour, Midnight Squally from E. S. E with small rain - Ends Moderate & pleasant —
S. Ebs S. Ebs S. S. E	Commences Moderate Wind and pleasant Weather, 9. P.M Squally with Rain from E. N. E. for 2 hours nearly, but little Wind - Midnight light Squally from S. Ebs - Ends Moderate & pleasant
South - SW to S. E NNW to NE	This day light airs & cloudy. Wind very Variable, hoisted out the Jolly Boat & tried the current found $\frac{1}{4}$ knot setting S. S. E. hoisted the boat up at the stern, by Traverse Table there dont appear any current
Calm from S. to East Calm -	This day Calm, with very Variable Winds at times - small Rain, D ^o Squally & cloudy throughout —

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Journal, in the Ship Hazard, Henry

Date.	Courses.	Dist.	Latitude.		Longitude.		Variation.		
			Acc.	Obs.	Acc.	Obs.	Lat.	Long.	Varia
1803									
Octo th									
4	N13W	61	8.50	.....	West	.....	.....	.....	.....
5	N35W	133	10.38	.....	37.26	.....	.....	.....	.....
6	N47W	155	12.23	.....	39.23	.....	.....	.....	.....
7	N65W	64	12.51	12.49	40.25	.....	.....	.....	.....
8	N37W	49	13.28	13.29	40.55	.....	.....	.....	.....
9	N54W	85	14.18	14.18	42.5	41.52	-	-	.....
10	N51W	113	15.29	15.29	43.23	.....	.....	.....	.....
11	N50W	212	17.42	17.40	46.16	.....	.....	.....	.....
12	N29W	165	19.48	19.49	48.8	.....	.....	.....	.....
13	N34W	185	22.21	22.22	49.58	.....	.....	.....	.....
14	N18W	158	24.6	24.8	52.6	.....	22.48	50.26	3.49W

Sibbets Master, from Calcutta towards Salem,

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
N. W. " - N.W. W.W.W.	This day, light Breeze, with small Squall; at times inclining to a Calm, considerable Rain, caught 3 Hhds.
West W.W.S. W.S.W. W.S.S.	This day, Squally, & much Rain, a long gale from the N. E. —
N.W. W. S.W.	This day, Moderate Wind, Cloudy, with small Squall, & Rain
S. W. South E.S.E. E.S.E. N.W. W.W.W.	This ^{day} moderate Wind & very Variable, sometimes looking very Squally Thunder & vivid lightning in the East — — —
N.W. N.W.E. W.W.E. W.E. West	This day Moderate Wind & looking Squally throughout the day & night Thunder & vivid lightning in the East —
W.W.S. W.W.S. N.W.W. North N.E. to S.E.	This day, Moderate Wind & looking Squally, sometimes small showers of Rain c. 9 th A.M. took a lunar obs. to c. 11 A.M. saw a Ship Bear S. N.E. bearing to the S. W. — — —
N.E. to South E.N.E. S.E. —	This day commences with very light Airs inclining to Calm, throughout the Night looking Squally, with Rain & Wind Variable — — — Noon the Wind shifted to E.N.E with a fine Breeze
E.N.E. — — N.E. to East	This day began with Pleasant Weather and a fine Breeze, & so continued until 5. A.M. then coming Squally with Rain, & the Wind Variable, so Ends, — — —
East E.S.E. N.E. b E	This day begins with moderate Wind, small Squall & Rain — — — Ends, pleasant Weather —
E.N.E.	This day, Moderate Wind, attended with small Squall, & showers of Rain — saw a Ship in the N.E. quarter, bearing to N. Westward —
E.N.E. S.E. E.S.E. S.E.b S.	Commences with Moderate Wind & pleasant Weather Midnight. Squally with Rain — — — Ends Moderate & somewhat cloudy — see Graph Wood

Journal, in the Ship Harvard. Henry

Master, from *Calcutta* towards *Salem*

Winds.	Weather, Currents, Bearings of the Land, and Remarkable Occurrences.
E.S.E.	This day Moderate Wind and pleasant Weather - c 7 P.M passed a Ship Steer'd to N ^o North & East - -
E.N.E. N.E. - -	This day, light airs and remarkable pleasant & serene. see considerable Gulf Weed - -
N.W.E. - -	This day, Moderate Wind and pleasant Weather all hands at Painting - -
South SWW W.S.W. W.W.	This day, Moderate Wind and pleasant Weather, the Wind Variable. 6. a.m saw a Brig Steer'd to N. S.E c 9.a.m saw a Ship Steer'd to N.E. - -
from West to North	This day Variable Winds, & small Squalls with Rain Spoke, Schooner Fanny, Ward, from Guilford, Conn. for Barbadoes out 11 days all well, & the Brig. Huron, Smith, from N. Haven 12 days. all well
N.E. N.N.E. Calm -	This day Commences with light airs, & large swell from N.E. to N.W. from Midnight To 10. a.m Calm Ends moderate Breeze, from West - -
W.W. N.W. North	This day Commences with moderate Wind & cloudy - from 9 P.M to 6 a.m. bay with M. S. Sail to the mast Ends moderate, with a disagreeable Sea - -
N.E. N.N.E. N.E.W.	This day, moderate Wind and Pleasant Weather, Flying Clouds got the anchor on the Bowz
N.E. Ebc. S.E. - -	This day, moderate & Variable Winds, Cloudy, and small Squalls with fine Rain, a large & long swell from N.E. to N.W. -
E.N.E. E.S.E. N.E. E.N.E.	This day Fresh Breezes thick & Rainy weather, throughout
E.N.E. East - -	This day Commences with fresh Breezes & Squally, with Rain, Midnight more Moderate, Ends Moderate & Pleasant.

Journal, in the Ship Hazard, Henry

tabula inservit

tabula

tabula

tabula

tabula

Varia.

Remark - The difference in the Longitude
by Art & Obs^d was occasioned by an unforseenable
negligence in omitting a knot on the Log Line,
which was not discovered till we were nearly up
with the Equinoctial Line; on our passage out -

In order to have the exact Latitudes
& Longitudes of the Obs Variations, it will be necessary
to calculate them by the Intermediate Lunar Dist.
which I ^{have} always found nearly correct, in making
the said -

It may be worthy of notice to
observe the strong Easterly Current which we
experienced from Cape Guardafui, till nearly
up with Madagascar - after which to the Cape
Good Hope we experienced a strong a Westerly
one -

No. 19

Journal

From *Salem Massachusetts to Mocha*
 in the Ship *Bonetta* (of Salem) Benj^o Russell Master :
 kept by ~~O~~ *Thomas B. Brugard* — for the use of the
EAST INDIA MARINE SOCIETY.

AT a Meeting of the **EAST INDIA MARINE SOCIETY**, at their Hall, on Wednesday evening, November 4, 1801, it was unanimously voted, That, in order to promote one great object of their institution, which was the acquiring of nautical knowledge, a Committee should be chosen to procure *BLANK JOURNALS* for the use of the Society; and that each Member bound to sea should be furnished with one of them, to be returned at the end of his voyage, with a regular diary of the winds, weather, and remarkable occurrences, during his voyage, arranged in such manner as the Committee should direct.

Conformable to the above vote, a Committee was chosen; who, having procured *JOURNALS* of the present form, request the Members to fill up the blanks according to the following

DIRECTIONS.

THE blank at the top is to be filled up with the names of the Master, and of the person keeping the Journal, the name of the ship, and the places nearest to the ship on the days given in that page. As for example: after passing the Cape de Verds, say, from the Cape de Verds towards the Cape of Good Hope.

In the 1st column of the Journal must be marked the day of the month; in the 2d, the course made good on that day; in the 3d, the distance sailed; in the 4th, the latitude at noon by account; in the 5th, the latitude by observation; in the 6th, the longitude by account; in the 7th, the longitude by observation reduced to noon by means of the log, or a time-keeper.

When the variation is observed, it is to be marked in the 10th column, the latitude and longitude in at the time of taking the observation being calculated from the observed latitude and longitude at noon by means of the log, and marked in the 8th and 9th columns. When the variation is observed both in the evening and morning of the same sea-day, the evening observation must be marked first; and it may be also noted whether the observation was by an azimuth or amplitude, by marking the former *az.* and the latter *am.*

The winds are to be marked in the 11th column, two or three times each day, placing them regularly beneath each other.

In the right hand column must be noted, the general state of the weather, winds, currents, bearings of capes, islands, &c. with their estimated distances, and any other remarks that may be useful to navigators.

When an opportunity offers to take any observations for determining the latitude or longitude of any remarkable place or point of land, it should be carefully attended to; and, for the satisfaction of those who may examine the Journals, it will be proper to give a detail of the observations. Thus, if the observation was taken for determining the latitude by the meridian altitude of the Sun, it would be proper to note the altitude of the Sun's lower limb, taken from the quadrant, his declination, and the bearing and distance of the place at the time of observation. Should the place not be in sight at the time of taking the meridian observation, it would be proper to note the course and distance made good by the ship, between the times of taking the meridian observation and observing the bearing of the land. A particular attention to observations of this kind will probably be the means of procuring a valuable collection of useful information. If the latitude or longitude observed should differ from any late books or charts, it would be proper to note it. In case any general remarks on the wind, weather, &c. experienced in the passages, should occur to the Journalist, he is requested to arrange them in the pages allotted for that purpose at the end of the Journal. A blank page is also assigned for an account of the coin, weights and measures of the several places touched at in the voyage; and it is hoped that care will be taken in acquiring information on these subjects. Any remarks on the commerce of the different places touched at in the voyage, with the imports, exports, and manner of transacting business, will be of public utility. Whatever is singular in the manners, customs, dress, ornaments, &c. of any people, is deserving of notice.

There should be collected, for the Museum, specimens of various kinds of vegetable substances, earths, minerals, ores, metals, volcanic substances, &c. There should also be preserved such parts of birds, insects, fish, &c. as serve most easily to distinguish them, and if no part can be preserved, a description of any that are remarkable may be given. Inquiry should be made for any remarkable books in use, among any of the eastern nations, with their subjects, dates and titles. Articles of the dress and ornaments of any nation, with the images and objects of religious devotion, should be procured.

